



LIFE SUPPORT SECTION

This Air Force Manpower Standard (AFMS) quantifies the manpower required to accomplish the tasks described in the process oriented description (POD) for varying levels of workload. The mission of the Life Support Section is to ensure the proper functioning of the Air Force Life Support System. This system includes life sustaining equipment, subsystems, and associated procedures used by aircrews and passengers in flight, during aircraft escape and descent to ground level, and on the ground pending recovery or return to duty. This AFMS provides the manpower needed to support an objective wing Life Support Section in ACC, AMC, PACAF, and USAFE. Exclude AFMC, AETC, AFSPC, and AFSOC bases during peacetime. Both a positive and a negative mission variance must be developed for all work within the organization that has undergone a cost comparison study. A negative variance should be developed to account for any process performed by contract manpower equivalents (CMEs). It does not apply to the Air National Guard and Air Force Reserve. This AFMS was developed in accordance with the requirements outlined in Life Support directives and AFMAN 38-208, *Air Force Management Engineering Program (MEP)*. Send comments and suggested improvements on AF Form 847, **Recommendation for Change of Publication**, through channels, to AFCQMI/MQAA, 550 E Street East, Randolph AFB, Texas 78150-4451.

★SUMMARY OF CHANGES

This AFMS supersedes AFMS 31C1, 6 February 1996. This AFMS is revised to change PAA to PAI, and references to regulations applicable to MAJCOMs/bases and proper organizational designations were updated with current information. It is revised to add variances to Attachment 3, paragraph A3.23, Negative Mission Variance for Additional Duties, and paragraph A3.24, Positive Mission Variance for Life Support. It also includes minor administrative changes. Changes are identified with a star (★).

1. Core Composition. The core manpower level for this AFMS was developed for a Life Support Section supporting unit flying operations.

1.1. Core Flight Manpower Required. 6

1.2. Core Range. 2 - 64

1.3. Programming Factors:

1.3.1. Type of aircraft operations squadrons.

1.3.2. Number of Primary Aircraft Inventory (PAI) per squadron.

1.4. The following is an up-front list of factors identified by the functional community that will impact the core composition of the Life Support Section. Each variable/variance is handled by a separate manpower factor.

1.4.1. Transit Support.

1.4.2. Tanker Support.

1.4.3. Multi-crew member (e.g., EC/RC-135, EC/AC-130, E-3, F-15E) aircraft.

1.4.4. Support for operational support aircraft.

1.4.5. Host Tenant Support Agreements (HTSAs).

2. Standard Data:

2.1. **Approval Date.** 16 November 1995

2.2. **Man-hour Data Source.** Expert Team Workshop.

2.3. **Man-hour Equation (for all aircraft types listed in Attachment 6):**

2.3.1. $Y1 = 6$ per fighter squadron

2.3.2. $Y2 = .13 X$ (PAI for trainer-type aircraft)

2.3.3. $Y3 = .65 X$ (PAI for all other type aircraft)

2.4. **Workload Factors:**

2.4.1. **Titles:**

2.4.1.1. Type and Number of Combat Operational Squadrons.

2.4.1.2. Type and Number of Trainer PAI.

2.4.1.3. Type and Number of PAI for All Other Aircraft.

2.4.2. **Definitions:**

2.4.2.1. Total number of operational fighter squadrons supported by the Life Support Section.

2.4.2.2. Total number of trainer PAI (e.g., T-37/38, AT-38, etc., assigned to operational MAJCOM).

2.4.2.3. Type and total number of PAI for all other flying squadrons.

2.4.3. **Source.** Obtain the total number of operational squadrons and type and number of PAI from USAF Program Documents or the MAJCOM functional staff.

2.5. **Points of Contact:**

★2.5.1. **HQ USAF Representatives:** Maj Norton/XPMR, DSN 223-4156; Maj Corso/XOOT, DSN 225-0902

2.5.2. **AFCQMI Representative.** Mr. Richard Fuller, AFCQMI/MQAA, DSN 487-5911

2.5.3. **HQ AMC Representatives:**

SMSgt Baes/XPME, DSN 576-2921

SMSgt Brantly/XPMRM, DSN 576-3356

MSgt Marcopulos/XPMRM, DSN 576-3356

CMSgt Morrow/DOTL, DSN 576-3906

2.5.4. **HQ ACC Representatives:**

Dan Whitaker/XPME, DSN 574-5001

MSgt Upchruch/XPMRM, DSN 574-5021

MSgt Mincey/XPMRM, DSN 574-5023

CMSgt Loving/DOSTL, DSN 574-3063

SMSgt Bush/DOSTL, DSN 574-3063

2.6. **Responsibilities.** The OPR is responsible for maintenance of this standard and coordination of changes. Changes will be coordinated with the Air Force career field managers of all affected AFSCs. The OCR will provide technical assistance as required.

2.6.1. **OPR.** HQ USAF/XOOT, Maj Baumgartner, DSN 225-0902

2.6.2. **OCR.** HQ USAF/XPMR, Maj Norton, DSN 223-4152

3. **Application Instructions.** Follow the application instructions in the application worksheets in Attachment 5. Worksheets should be completed for each flying squadron on a base.

4. Statement of Conditions. Standard hours of operation for Life Support work centers are eight hours per day, five days per week. However, on occasion assigned personnel work overtime or irregular hours.

THOMAS E. SPITZER
Chief, Systems Integration and Support Division
Air Force Center for Quality and Management Innovation

Attachments

1. Process Oriented Description
2. Standard Manpower Table
3. Approved Variances
4. Process Analysis Summary
5. Application Worksheet
6. Aircraft Type Matrix

PROCESS ORIENTED DESCRIPTION

Life Support Section

A1.1. ISSUES AND FITS LIFE SUPPORT EQUIPMENT TO INDIVIDUALS . Determines size, assembles life support equipment from component parts, and fits life support equipment to individuals (to include primary and spare equipment). Issues life support equipment to individual, documents appropriate form, receives equipment from user, processes equipment receipt, and returns equipment to storage.

A1.2. DETERMINES SIZE OF AIRCREW CHEMICAL DEFENSE EQUIPMENT. Determines size, assembles aircrew member chemical defense equipment from component parts, fits chemical defense equipment to individual, and stores chemical defense equipment.

A1.3. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT TO APPROPRIATE MAINTENANCE AND PROVIDER AGENCIES. Prepares equipment for delivery, identifies and prepares appropriate documentation, coordinates unloads and downloads, and/or coordinates with inspection or maintenance activity, performs acceptance inspection, annotates equipment records, and schedules required aircraft down time.

A1.4. PERFORMS ANNUAL ISOCHRONAL LIFE SUPPORT EQUIPMENT INSPECTION AND PREFLIGHT/POSTFLIGHT INSPECTION. Selects equipment to be inspected, disassembles and inspects item. Performs minor repair or replacement of component parts to correct discrepancies, and reassembles then tests for serviceability. Schedules repairs as required, annotates inspection record, and returns unit to storage or aircraft as appropriate following each flight. Inspection frequencies vary from 30 to 180 day cycles on individually fitted and aircraft installed life support equipment.

A1.5. PERFORMS ROUTINE AND EMERGENCY/UNSCHEDULED EQUIPMENT REPAIR. Selects aircrew or aircraft equipment to be repaired, disassembles and inspects unit, performs repair or replacement of component part to correct discrepancy, reassembles and tests unit, annotates record, performs quality assurance inspection on repaired unit, and returns unit to service.

A1.6. PERFORMS LIFE SUPPORT EQUIPMENT SPECIAL INSPECTION AND MODIFICATION. Performs inspection/modification on life support equipment to comply with Time Compliance Technical Orders (TCTO) and annotates records. Complies with safety and operational supplement inspections/modification on life support equipment and annotates record.

A1.7. REMOVES AND INSTALLS LIFE SUPPORT EQUIPMENT. Reviews/annotates aircraft forms, removes and installs life support equipment, and completes aircraft forms. Gathers life support equipment to meet aircraft reconfiguration needs from in-shop serviceable storage, posts appropriate status boards, and completes necessary documentation.

A1.8. PROVIDES LIFE SUPPORT TRAINING. Provides augmentation to OSS aircrew training program. This requirement is derived from training programs required to handle aircrew student loads and safety observer responsibilities during water and field training and chemical warfare exercises.

A1.9. MONITORS SUPPLY LEVELS. Monitors stock levels to determine if replacement level is sufficient, researches applicable publications for stock number, nomenclature, and unit of issue. Prepares appropriate documentation for requisitioning and follow-up actions. Packs equipment for shipment, updates equipment inventory and turn ins (includes all bench stocks, Due-In-For Maintenance (DIFM), and accountable and non-accountable equipment items).

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Life Support Section/31C1			N/A								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG								1	1
Aircrew Life Spt Craftsman	1T171	TSG	1	1	1	1	1	1	1	1	1
Aircrew Life Spt Journeyman	1T151	SSG			1	1	1	2	2	2	2
Aircrew Life Spt Journeyman	1T151	SRA	1	1	1	1	2	2	3	3	3
Aircrew Life Spt Apprentice	1T131	A1C		1	1	2	2	2	2	2	3
TOTAL			2	3	4	5	6	7	8	9	10
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG	1	1	1	1	1	1	1	1	1
Aircrew Life Spt Craftsman	1T171	TSG	1	1	1	1	2	2	2	2	2
Aircrew Life Spt Journeyman	1T151	SSG	2	3	3	3	3	3	3	4	4
Aircrew Life Spt Journeyman	1T151	SRA	4	4	4	5	5	5	6	6	6
Aircrew Life Spt Apprentice	1T131	A1C	3	3	4	4	4	5	5	5	6
TOTAL			11	12	13	14	15	16	17	18	19

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Life Support Section/31C1			N/A								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG	1	1	1	1	1	2	2	2	2
Aircrew Life Spt Craftsman	1T171	TSG	2	2	3	3	3	3	3	3	3
Aircrew Life Spt Journeyman	1T151	SSG	4	5	5	5	5	5	5	5	6
Aircrew Life Spt Journeyman	1T151	SRA	7	7	7	7	8	8	9	9	9
Aircrew Life Spt Apprentice	1T131	A1C	6	6	6	7	7	7	7	8	8
TOTAL			20	21	22	23	24	25	26	27	28
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG	2	2	2	3	3	3	3	3	3
Aircrew Life Spt Craftsman	1T171	TSG	3	4	4	4	4	4	4	4	4
Aircrew Life Spt Journeyman	1T151	SSG	6	6	6	6	6	6	6	7	7
Aircrew Life Spt Journeyman	1T151	SRA	9	9	10	10	11	11	12	12	12
Aircrew Life Spt Apprentice	1T131	A1C	9	9	9	9	9	10	10	10	11
TOTAL			29	30	31	32	33	34	35	36	37

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Life Support Section/31C1			N/A								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG	3	3	3	3	3	3	3	3	3
Aircrew Life Spt Craftsman	1T171	TSG	4	4	5	5	5	5	5	5	5
Aircrew Life Spt Journeyman	1T151	SSG	7	7	7	7	7	7	8	8	8
Aircrew Life Spt Journeyman	1T151	SRA	12	13	13	13	14	15	15	15	16
Aircrew Life Spt Apprentice	1T131	A1C	12	12	12	13	13	13	13	14	14
TOTAL			38	39	40	41	42	43	44	45	46
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG	3	3	3	3	3	3	4	4	4
Aircrew Life Spt Craftsman	1T171	TSG	5	5	6	6	6	6	6	6	6
Aircrew Life Spt Journeyman	1T151	SSG	8	9	9	9	9	9	9	9	9
Aircrew Life Spt Journeyman	1T151	SRA	16	16	16	17	17	18	18	18	19
Aircrew Life Spt Apprentice	1T131	A1C	15	15	15	15	16	16	16	17	17
TOTAL			47	48	49	50	51	52	53	54	55

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Life Support Section/31C1			N/A								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircrew Life Spt Craftsman	1T171	MSG	4	4	4	5	5	5	5	5	5
Aircrew Life Spt Craftsman	1T171	TSG	6	6	6	6	6	6	6	6	6
Aircrew Life Spt Journeyman	1T151	SSG	9	10	10	10	10	10	10	10	10
Aircrew Life Spt Journeyman	1T151	SRA	19	19	19	19	20	20	21	21	21
Aircrew Life Spt Apprentice	1T131	A1C	18	18	19	19	19	20	20	21	22
TOTAL			56	57	58	59	60	61	62	63	64
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											

APPROVED VARIANCES**Life Support Section**

A3.1. Title. Positive Mission Variance for Associate Reserve Forces Support.

A3.1.1. Definition. Provide Life Support to Associate Reserve Forces. The core life support manpower standard does not properly identify/equip associate life support work process. These organizations require life support expertise in support of unit assigned aircrews. Core determinant also does not provide sufficient manning to support reserve weekend-type flying operations. Work center processes in support of aircrew/individually assigned life support equipment includes fitting life support equipment for aircrew members, pick up and delivery of life support equipment, performing life support equipment inspections, performing routine and emergency/unscheduled equipment repair, life support equipment special inspection and modification, life support training, and maintaining required supply levels for reserve aircrew members.

A3.1.2. Impact. (variable) .01 X (assigned associate aircrew members)

NOTE: Include air medical crew members where applicable.

A3.1.3. Applicability: All Life Support Sections that support Associate Reserve Forces.

A3.2. Title. Positive Mission Variance for Support Provided to Operational Support Aircraft (OSA) (e.g., C12, C20, and C21).

A3.2.1. Definition. Provides aircrew survival and aircrew chemical defense continuation training, maintenance, pick up/delivery of individually issued and aircraft installed life support equipment required by MAJCOM or local mission commitments (e.g., survival kits, life preservers, passenger breathing devices, survival vests, life rafts, and aircrew chemical defense equipment) to OSA. These aircraft do not earn manpower credit from the core worksheet at Attachment 5.

A3.2.2. Impact. (variable) .25 X PAI

NOTE: 1. Subtract 1 manpower authorization if unit does not maintain chemical defense equipment.
2. Life support manning should not be less than 2 persons per shop if the squadron has only OSA.

A3.2.3. Applicability. This variance applies to organizations supporting OSA.

A3.3. Title. Positive Mission Variance for KC-135 24-Hour Operations.

A3.3.1. Definition. Provides 24-hour operations, 5 days per week, for tanker operations. Typically, tanker operations call for missions that exceed the standard 8-hour duty day. As a result, life support technicians are required to perform mission termination inspections on all aircraft and at the same time provide work center support to aircrews returning from flight. As a decentralized function, Life Support requires a minimum of 10 authorizations per squadron to meet mission requirements. Current core determinant (.65 X PAI) does not always provide sufficient manning to support 24-hour operations, 5 days per week.

A3.3.2. Impact. Variable (add required authorizations to bring total requirement to a minimum of 10).

A3.3.3. Applicability. All KC-135 squadrons whose total authorizations (core plus all other variances) are below 10.

A3.4. Title. Positive Mission Variance for Additional Assigned Aircrew Members.

A3.4.1. Definition. Provides support to an additional 160 assigned aircrew members performing classified flying duties. Provides individually assigned/issued life support equipment which requires extended hours of operating, fitting, pick up and delivery, inspections, routine and emergency/unscheduled equipment repair, special inspections, modifications, and related life support/survival training.

A3.4.2. Impact. + 5 manpower authorizations.

A3.4.3. Applicability. This variance applies to 40 ALF, Pope AFB NC.

A3.5. Title. Negative Mission Variance for VIP Helicopter Support.

A3.5.1. Definition. Based on assigned aircrews and aircraft, required life support equipment does not warrant manning earned from core determinant. Minimum of 3 authorizations are required.

A3.5.2. Impact. - 8 manpower authorizations.

A3.5.3. Applicability. This variance applies to the following helicopter squadron:

BASE	MANPOWER
Andrews AFB MD	
1 HEL SQ	- 8

A3.6. Title. Positive Mission Variance for Dual Seat Fighter Aircraft (Except F-111).

A3.6.1. Definition. Maintains additional life support equipment for dual-seat aircraft due to the addition of aircrew members and ejection seats. Provides individually assigned/issued life support equipment to include fitting life support equipment for aircrew members, pick up and delivery of life support equipment, performing life support equipment inspections, performing routine and emergency/unscheduled equipment repair, life support equipment special inspection and modification, life support training, and maintaining required supplies.

A3.6.2. Impact. + 1 per unit.

A3.6.3. Applicability. This variance applies to squadrons with assigned dual-seat fighter aircraft.

A3.7. Title. Positive Mission Variance for Life Support Provided for Additional Crew Members on EC-130/RC-135/E-3B Aircraft.

A3.7.1. Definition. Maintains and issues additional life support equipment for additional crew members. Provides individually assigned/issued life support equipment to include fitting life support equipment for aircrew members, pick up and delivery of life support equipment, performing life support equipment inspections, performing routine and emergency/unscheduled equipment repair, life support equipment special inspection and modification, life support training, and maintaining required supply.

A3.7.2. Impact. + 62 manpower authorizations.

A3.7.3. **Applicability.** This variance applies to the following squadrons:

BASES	MANPOWER
Davis Monthan AFB AZ	
41 ECS	3
42 ACCS	6
43 ECS	3
Elemendorf AFB AK	
962 AWACS	3
Kadena AB JA	
961 AWACS	3
Offutt AFB NE	
1 ACCS	6
7 ACCS	6
38 RS	6
45 RS	6
343 SRC SQ	6
Tinker AFB OK	
963 ABE	4
964 ABE	4
965 ABE	4
966 ABE	4
8 ACCS	1

A3.8. Title. Positive Mission Variance for Life Support Provided to TDY Aircrew Members.

A3.8.1. Definition. Maintains and issues life support equipment for school students assigned to the 99th Training Wing. Provides individually assigned/issued life support equipment to include fitting life support equipment for aircrew members, pick up and delivery of life support equipment, performing life support equipment inspections, performing routine and emergency/unscheduled equipment repair, life support equipment special inspection and modification, life support training, and maintaining required supply.

A3.8.2. Impact. + 4 manpower authorizations.

A3.8.3. Applicability. This variance applies to 37 BMB SQ, Ellsworth AFB SD.

A3.9. Title. Positive Mission Variance for B-1/B-52 Aircraft.

A3.9.1. Definition. Life Support is required to provide 24-hour operational support for all bomber operations. This is routinely provided on a 5-day-per-week basis and is periodically a requirement on a 7-day-per-week basis. Life support technicians are required to perform mission termination inspections on all aircraft and at the same time provide work center support to aircrews returning from flight. As a decentralized function, Life Support requires a minimum of two technicians available for this support. Thus, any Life Support section supporting a B-1/B-52 mission must have a minimum of 10 authorizations. For all units where the core determinant (.65 X PAI and .13 X PAI) does not provide the minimum level, this variance will be used to bring the results up to 10 authorizations. This variance will also help ensure the ability to deploy the B-1/B-52 mission with embedded Life Support. An entire squadron of aircraft will not necessarily deploy. As such, a minimum of 5 Life Support authorizations will be required to continually support B-1/B-52 operations.

A3.9.2. **Impact.** Variable (add authorizations required to bring the total up to a minimum of 10 authorizations).

A3.9.3. **Applicability.** All B-1/B-52 squadrons whose total authorizations (core plus all other variances) are below 10.

A3.10. Title. Positive Mission Variance for Support for Multiple Worldwide Tasking.

A3.10.1. **Definition.** The 429 ECS and 561 FS are 24 PAI squadrons that are currently multi-tasked to support Operations Provide Comfort and Southern Watch, as well as other taskings. These taskings are simultaneous, and each deployment requires at least two life support technicians to support it. All technical orders pertaining to life support equipment maintenance for fighter type (ejection seat/encapsulated systems) require a checklist to perform cockpit maintenance and a command-response method of accomplishment. Simply stated, one person reads the checklist and ensures that the other completes the task correctly. This task requires two qualified life support technicians.

A3.10.2. **Impact.** + 2 manpower authorizations.

A3.10.3. **Applicability.** This variance applies to 429 ECS, Cannon AFB NM, and 561 FS, Nellis AFB NV.

A3.11. Title. Positive Variance for Support Provided to Joint Task Force Full Accounting (JTF-FA).

A3.11.1. **Definition.** USCINCPAC OPORDER 91-1 designated PACAF as a supporting agency for JTF-FA Joint Field Agency (JFA) operations. PACAF DO/XP approved funding of JTF-FA Life Support positions and identified the 65 ALF/DOL, PAS: HLORFYTW, as their duty assignment (when not TDY with the JTF-FA).

A3.11.2. **Impact.** + 2 manpower authorizations.

A3.11.3. **Applicability.** This variance applies to 65 ALF, Hickam AFB HI.

A3.12. Title. Positive Mission Variance for Host Tenant Support Provided to US Army Aircraft and Civil Air Patrol under HTA.

A3.12.1. **Definition.** Provides aircrew survival training equipment and maintenance, pick up/delivery of aircraft installed life support equipment, required by directives/local mission commitments (e.g., life preservers, life rafts, radios, oxygen masks to the U.S. Army aircraft). These aircraft do not earn manpower credit from the core worksheet at Attachment 5.

A3.12.2. **Impact.** (variable) .14 X PAI

A3.12.3. **Applicability.** This variance applies to 65 ALF, Hickam AFB HI.

A3.13. Title. Positive Mission Variance for Support Provided to Air Mobility Command (AMC) Pacific Theater of Operations.

A3.13.1. **Definition.** Provides continuous 24-hour operational support. Current core standard (.65 X PAI) for life support does not provide sufficient manning to support 24-hour continuous operations when supporting strategic airlift. Currently, the 374th Operations Group is providing management, inspection, transportation, storage, training, and maintenance for AMC aircraft and aircrew life support equipment; 100 aircrew chemical warfare ensemble "D" bags, 50 MB-1 life preservers, and 100 taper oxygen masks. Also, allocating manpower hours (approx. 363.528 monthly) and maintenance costs to ensure these assets remain operational ready.

A3.13.2. **Impact.** + 3 manpower authorizations.

A3.13.3. **Applicability.** This variance applies to 36 ALF Yokota AB JA.

A3.14. Title. Positive Mission Variance for Host Tenant Support Agreement (HTSA) to 82 RS and 6990 ESS.

A3.14.1. **Definition.** Life support provides HTA support to the 82 RS and 6990 ESS. The 82 RS operates 1 each multi-role RC-135 aircraft with accompany TDY crew and 12 permanently assigned aircrew members. 6990 ESS requires support for 160 personnel who perform mission on 82 RS RC-135 aircraft.

A3.14.2. **Impact.** + 3 manpower authorizations.

A3.14.3. **Applicability.** This variance applies to 909 ARS, Kadena AB JA.

A3.15. Title. Positive Mission Variance for Helicopter Support.

A3.15.1. **Definition.** Provides continuous TDY support for two aircraft and accompanying aircrews at one TDY location. Operates 20 hours a day. Provides TDY support for an additional two aircraft and accompanying aircrews at a second location for a period of approximately three months a year. Operates 12 hours a day. Oplan requires unit to deploy to two locations. Core factor (.65 X PAI) does not provide adequate manpower to meet this requirement.

A3.15.2. **Impact.** + 2 manpower authorizations.

A3.15.3. **Applicability.** This variance applies to 33 RSQ, Kadena AB JA.

A3.16. Title. Positive Mission Variance for Transient Strategic Airlift Support for 24-Hour Operations.

A3.16.1. **Definition.** Provides 24-hour operational support for transient strategic airlift. Current core determinant for life support does not provide sufficient manning to support transient strategic airlift missions. To support transient cargo and passenger mission changes, organizations are called upon to reconfigure aircraft with additional life support equipment and perform required inspections on aircraft installed equipment. Strategic airlift aircraft installed equipment requires 2-4 people to transport/deliver/load life support equipment due to its size/weight and simultaneously provide transient aircrew support.

A3.16.2. **Impact.** + 6 manpower authorizations.

A3.16.3. **Applicability.** This variance applies the following squadron:

BASE	MANPOWER
Ramstein AB	
75 ALS	+ 6

A3.17. Title. Positive Mission Variance for Support to Transient Tanker Aircraft/Aircrew Members.

A3.17.1. **Definition.** Life Support provides support for transient tanker aircraft/aircrew members not normally assigned rotational duty to home station. As a result Life Support must provide mission termination inspections on transient aircraft, while also providing support to transient aircrew members. Also provides all Life Support functions for the 922d Reconnaissance Squadron (12 aircrew members), and the 6988th Electronic Security Squadron (240 aircrew members), and emergency equipment support for transient AMC aircrews and aircraft. Current core determinant does not provide sufficient manning to support transient tanker aircraft/aircrew members.

A3.17.2. **Impact.** + 3 manpower authorizations

A3.17.3. **Applicability.** RAF Mildenhall UK.

A3.18. Title. Positive Mission Variance for C-9 24-Hour Operations.

A3.18.1. **Definition.** Aircraft are available 24-hours year round, with one C-9 on alert at all times. Core determinant (.65 X PAI) does not always provide sufficient manning to support 24-hour, 5-day-per-week operations. A minimum of 5 authorizations are required to meet mission requirements.

A3.18.2. **Impact.** Variable (add required authorizations to bring total requirement to a minimum of 5).

A3.18.3. **Applicability.** This variance applies to 30 AS Yokota AB JA.

A3.19. Title. Positive Mission Variance for Night Vision Goggles (NVG).

A3.19.1. **Definition.** The recent addition of NVGs to the A/OA-10 mission has increased tasking beyond that accounted for in the core functions.

A3.19.2. **Impact.** +1 per A/OA-10 squadron

A3.19.3. **Applicability.** Applies to all A/OA-10 squadrons.

A3.20. Title. Positive Mission Variance for C-130H 24-Hour Operations.

A3.20.1. **Definition.** Provides 24-hour operations, 7 days per week, for airlift operations. Typically, C-130 operations call for missions that exceed the standard 8-hour duty day. As a result, life support technicians perform mission termination inspections on all aircraft and at the same time provide work center support to aircrews returning from flight. As a decentralized function, Life Support requires a minimum of 10 authorizations per squadron to meet mission requirements. Current core determinant (.65 X PAI) does not always provide sufficient manning.

A3.20.2. **Impact.** Variable (add required authorizations to bring total requirement to a minimum of 10).

A3.20.3. **Applicability.** 39th and 40th Airlift Squadrons whose total authorizations (core plus all other variances) are below 10.

A3.21. Title. Positive Mission Variance for 48 RS Multiple Worldwide Tasking.

A3.21.1. **Definition.** 48 RS is currently multi-tasked to support Operations Provide Comfort and Southern Watch, as well as other taskings. Life Support requires a minimum of 4 authorizations per squadron to meet mission requirements.

A3.21.2. **Impact.** Variable (add required authorizations to bring total requirement to a minimum of 4).

A3.21.3. **Applicability.** This variance applies to 48 RS, Holloman AFB NM.

A3.22. Title. Positive Mission Variance for 71 RQS Multiple Worldwide Tasking.

A3.22.1. **Definition.** 71 RQS is currently tasked to support multiple missions in diverse locations. Life Support requires a minimum of 8 authorizations per squadron to meet mission requirements.

A3.22.2. **Impact.** Variable (add required authorizations to bring total requirement to a minimum of 8).

A3.22.3. **Applicability.** This variance applies to 71 RQS, Patrick AFB FL.

★**A3.23. Title.** Negative Mission Variance for Additional Duties.

A3.23.1. **Definition.** AMC policy dictates crew members will accomplish life support officer duties as additional duties.

A3.23.2. **Impact.** -1 officer requirement.

A3.23.3. **Applicability.** This variance applies to every AMC location.

Andrews	-1
Charleston	-1
Dover	-1
Fairchild	-1
Grand Forks	-1
MacDill	-1
McChord	-1
McConnell	-1
McGuire	-1
Scott	-1
Travis	-1

★A3.24. **Title.** Positive Mission Variance for Life Support.

A3.24.1. **Definition.** AMC policy provides an additional requirement for training associate units at airlift bases.

A3.24.2. **Impact.** 1 AFSC 1T1X1 requirement.

A3.24.3. **Applicability.** This variance applies to the locations listed below.

Charleston	1
Dover	1
McChord	1
McGuire	1
Travis	1

PROCESS ANALYSIS SUMMARY**Life Support Section**

PROCESS/TITLE	PROJECTED MAN-HOURS	FRACTIONAL MANPOWER
FITS AND ISSUES LIFE SUPPORT AND CHEMICAL DEFENSE EQUIPMENT	226.587	1.41
PICK UP AND DELIVERY OF LIFE SUPPORT EQUIPMENT	67.494	0.42
ANNUAL/ISOCHRONAL INSPECTION AND PREFLIGHT/POST FLIGHT INSPECT	532.238	3.31
ROUTINE/EMERGENCY EQUIPMENT REPAIR	36.639	0.23
REMOVAL, INSTALLATION, AND AIRCRAFT RECONFIGURATION	16.391	0.1
TRAINING	81.957	0.51
MAINTAIN REQUIRED SUPPLY	0.964	0.01
SPECIAL INSPECTION AND MODIFICATION	1.928	0.01
TOTAL FRACTIONAL MANPOWER		<hr/> 6.00

1. The work process descriptions were developed jointly by the functional OPR and MAJCOM manpower representatives. The processes were derived from the process oriented description (POD) of the last Air Force and Command standards developed for Life Support. Each category of work was summarized and validated through input from Life Support personnel solicited by the OPR.
2. Variances identified in this AFMS were developed and validated by the functional OPR and functional representatives at each location.

LIFE SUPPORT SECTION
APPLICATION WORKSHEETS

BASE: _____

APPLICATIONS INSTRUCTIONS:

1. Determine the total number of squadrons for each base having an operational flying mission. Prepare a worksheet for each squadron regardless of aircraft type. The workload factors are described below:

a. Title.

(1) Type and number of combat operational squadrons.

(2) Type and number of trainer PAI.

(3) Type and number of PAI for all other aircraft.

b. Definition.

(1) Total number of operational fighter squadrons supported by the Life Support Section.

(2) Total number of trainer PAI.

(3) Type and total number of PAI for all other aircraft.

c. Source. Obtain the total number of operational squadrons and type and number of PAI from USAF Program Documents or the MAJCOM functional staff.

2. Independently determine the total number of authorizations required for each squadron. Separate the squadron by type (tankers, fighters, airlift, etc.) using the squadron worksheets for each squadron following these instructions. Insert name and type of squadron on each worksheet.

3. Sum the results for each squadron to obtain Life Support totals for each base.

SQUADRON APPLICATION WORKSHEET**LIFE SUPPORT****SQUADRON:** _____ **TYPE:** _____**STEP 1.** If squadron type is fighter, enter 1, otherwise enter 0. _____**STEP 2.** Determine by squadron type the total number of PAI as described in the application instructions. See the matrix in Attachment 6 for aircraft type for each squadron.

a. BOMBER _____

b. TANKER _____

c. STRATEGIC AIRLIFT _____

d. THEATER AIRLIFT _____

e. HELICOPTER _____

f. Sum the totals in Step 2a through 2e _____

STEP 3. Multiply 6 (core per fighter squadron) times the sum in Step 1.

$$6 \times \text{_____} = \text{_____}$$

STEP 4. Determine the total number of PAI for trainer aircraft assigned. See the matrix in Attachment 6 for aircraft type.

a. TRAINER _____

b. Multiply the total in Step 4a by core factor for training aircraft.

$$.13 \times \text{_____} = \text{_____}$$

STEP 5. Multiply the total in Step 2f by core factor for other aircraft.a. $.65 \times \text{_____} = \text{_____}$

b. Sum the totals in Steps 4b and 5a. _____

STEP 6. Sum total authorizations for all applicable variances _____**STEP 7.** Sum results from Steps 3, 5b, and 6 _____**STEP 8.** Refer to the Manpower Table in Attachment 2 of the AFMS for skill and grade distribution.

AIRCRAFT TYPES MATRIX**FIGHTERS:**

F-4	F-15	F-111
A-10	F-16	EF-111
OA-10	F-22	F-117

BOMBERS:

B-1	B-52
B-2	U-2

TANKERS:

E-3	EC-135	KC-135
E-4	EC-137	RC-135
E-8	KC-10	

STRATEGIC AIRLIFT

C-5	C-32	C-141
C-9	CT-43	OC\WC-135
C-17	C-135	NDAA
VC-25	C-137	

THEATER AIRLIFT:

C-27	C-130	HC-130
AC-130	EC-130	MC-130

HELICOPTERS:

HH-1	MH-53	MH-60
UH-1	HH-60	

TRAINERS:

T-1	T-38	T-43
T-3	AT-38	
T-37	T-41	